

20200725 10:07:02

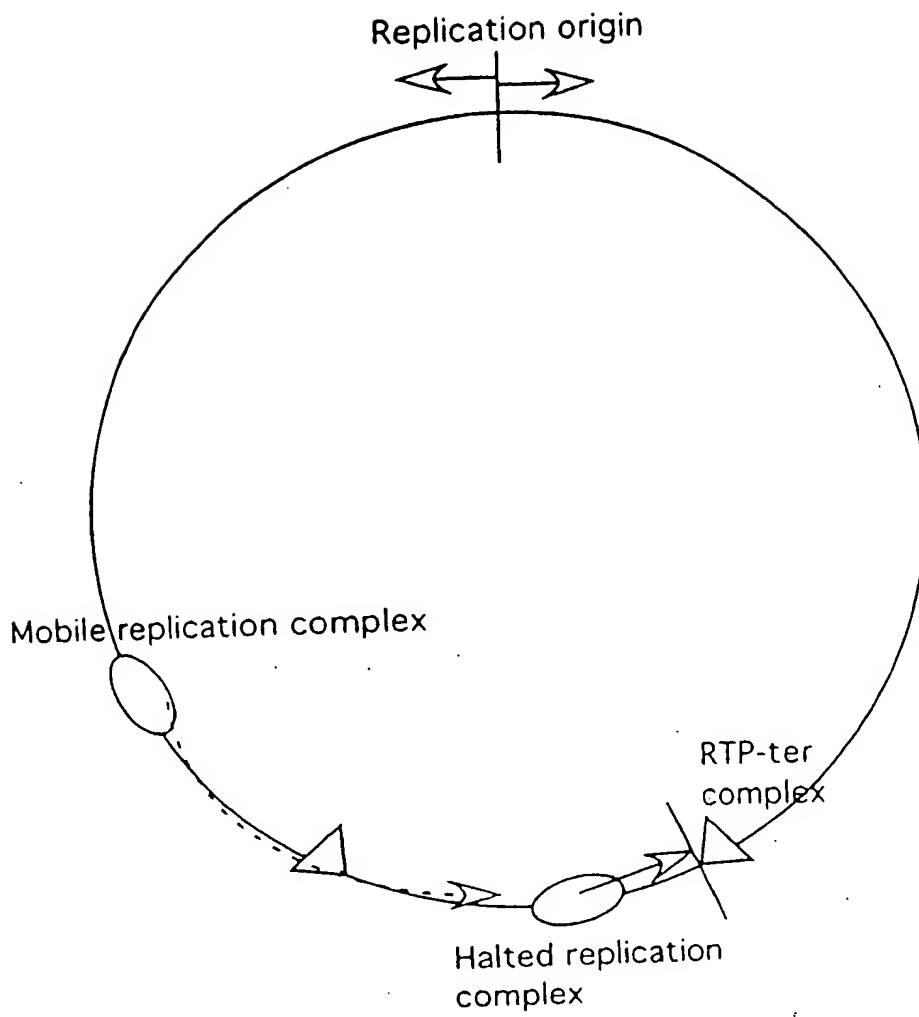


Fig. 1

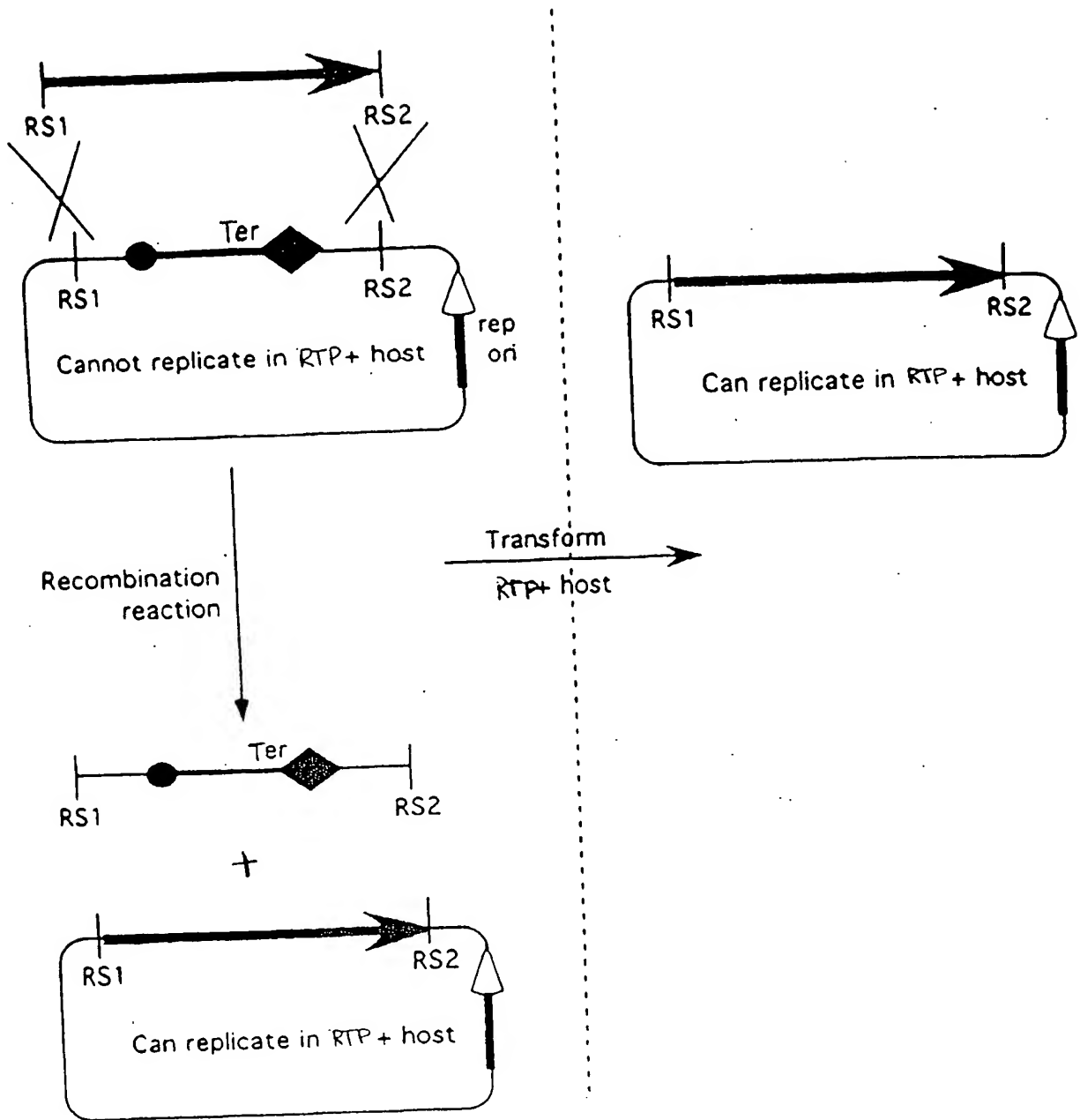
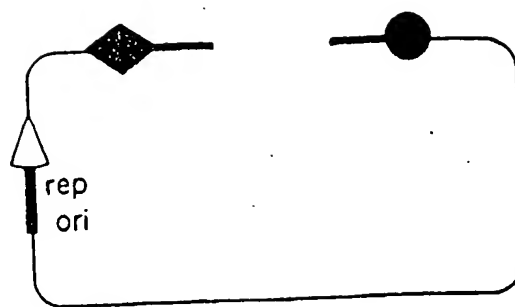


Fig. 2

Modify GOI



+



ligate

Transform RTP+ host

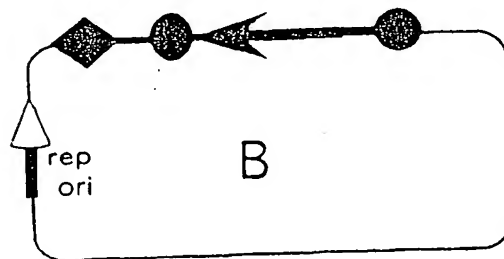
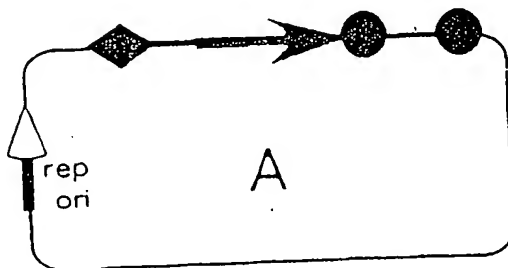


Fig. 3

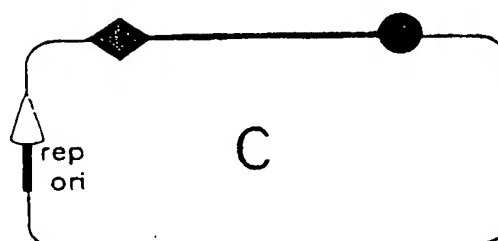
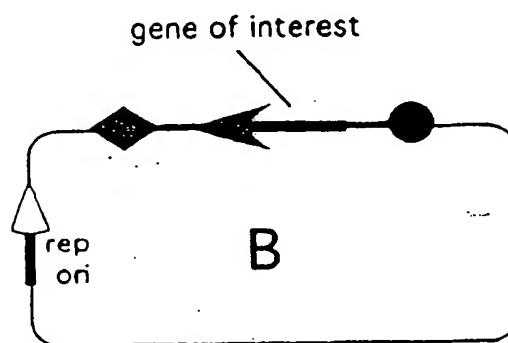
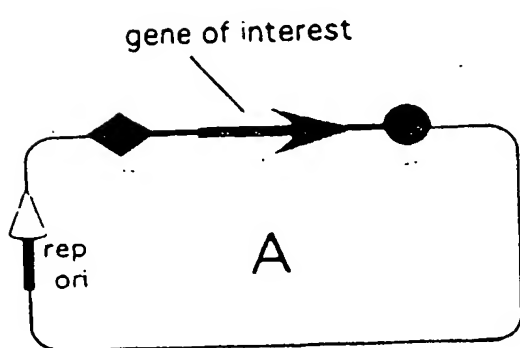
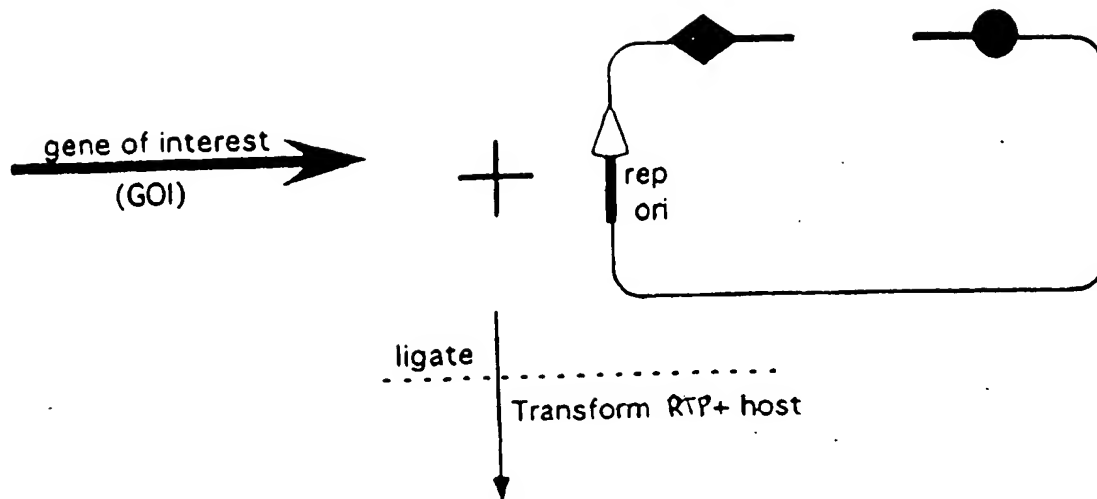


Fig. 4

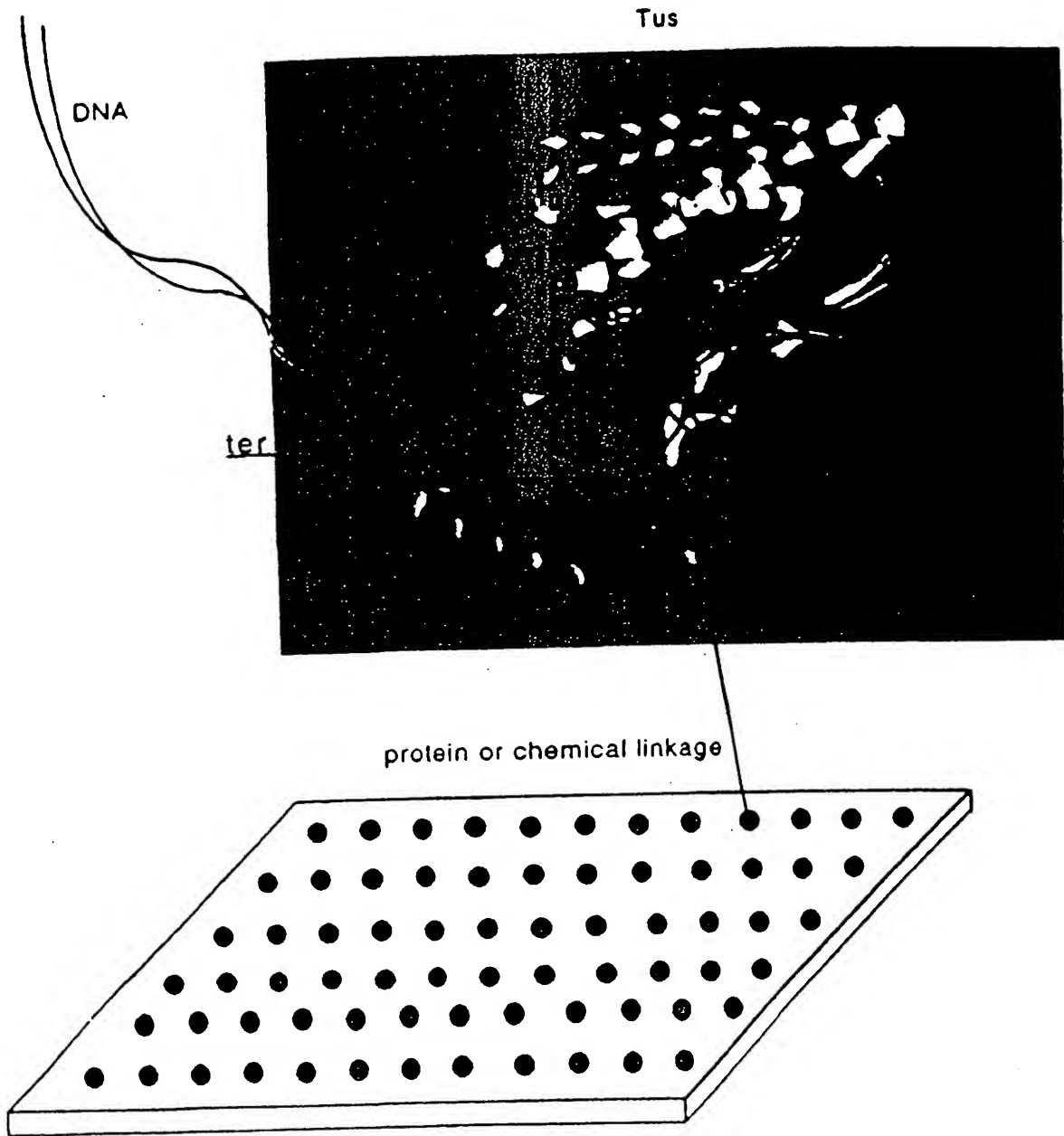
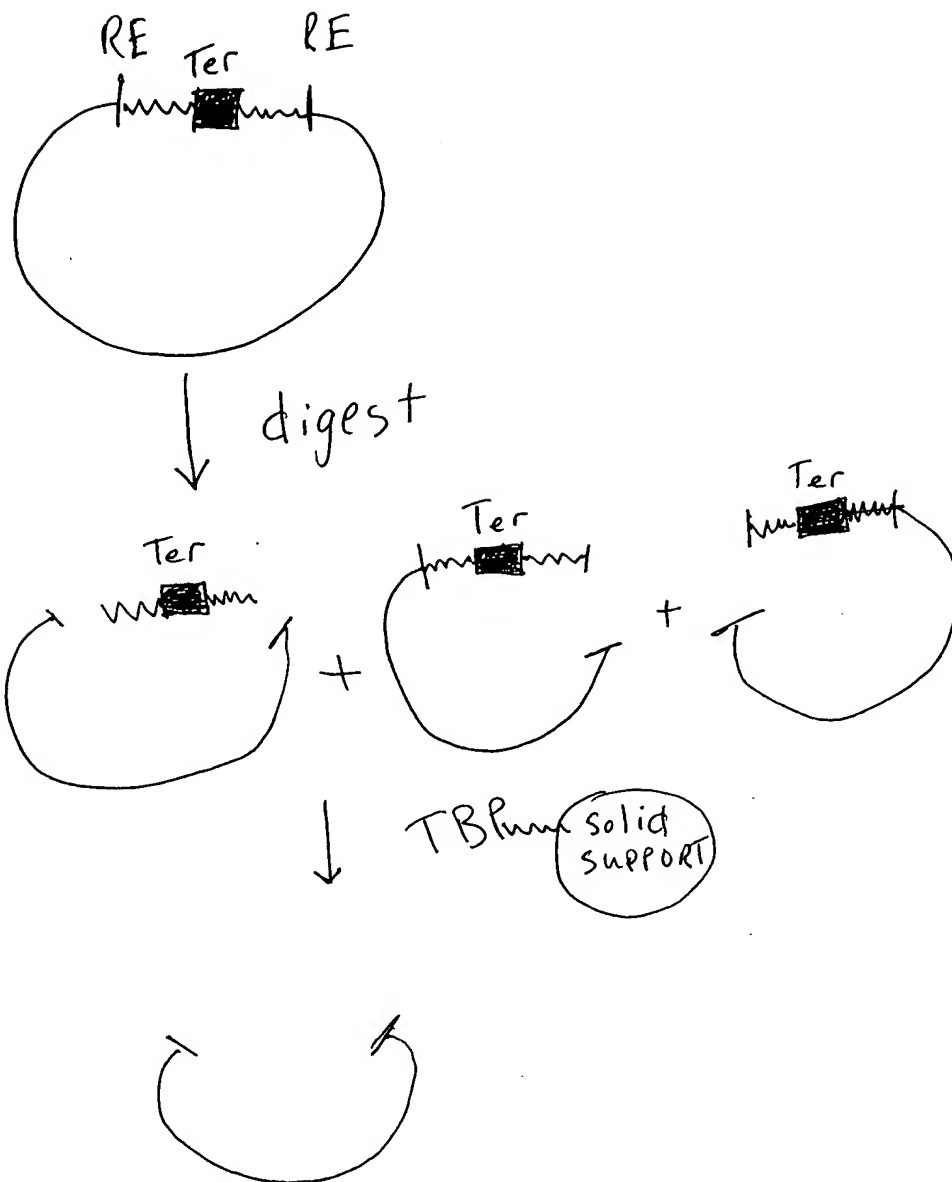


Fig. 5

FIG. 6A



10067543.020702

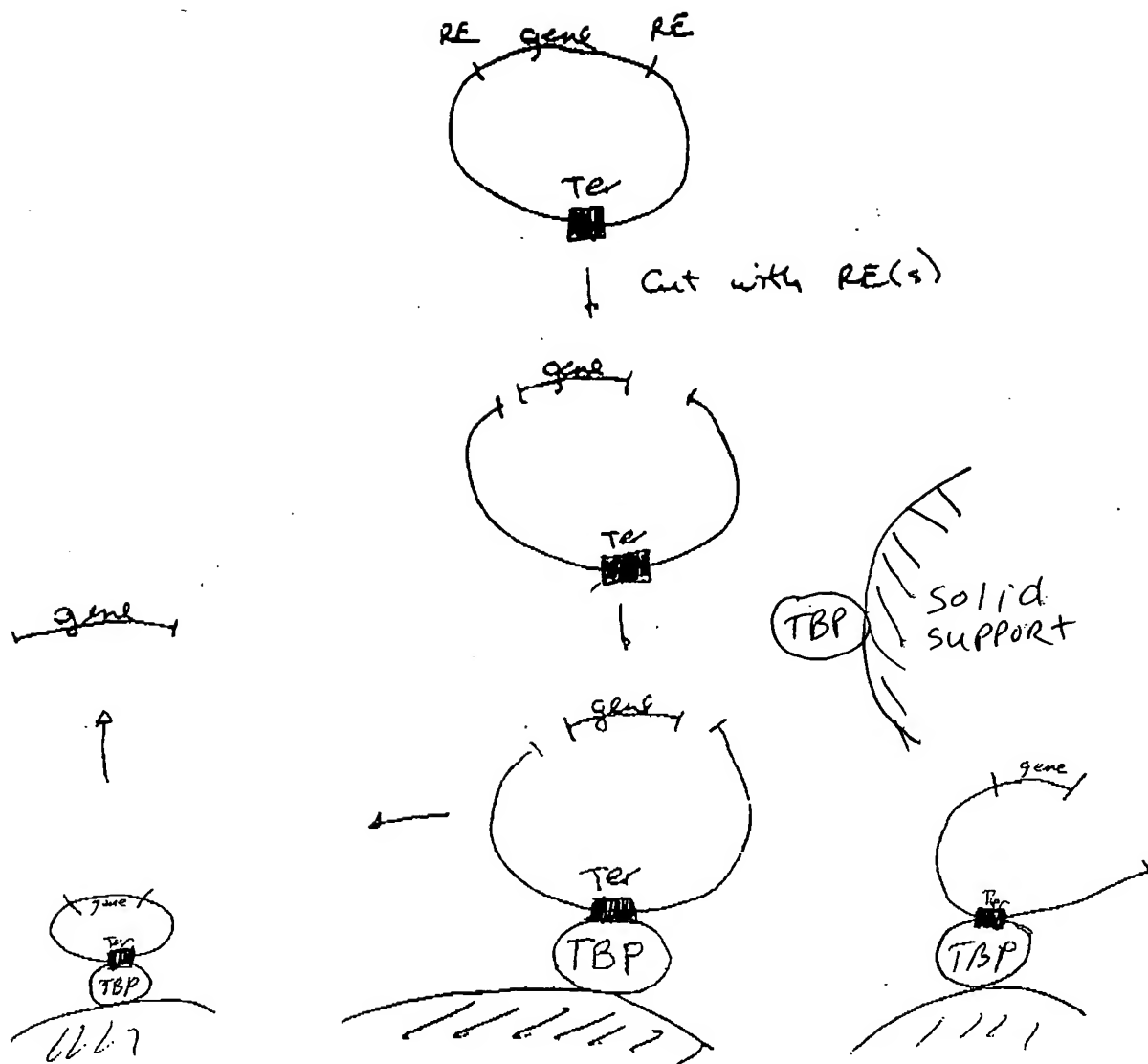


Fig. 6B

10067543.020702

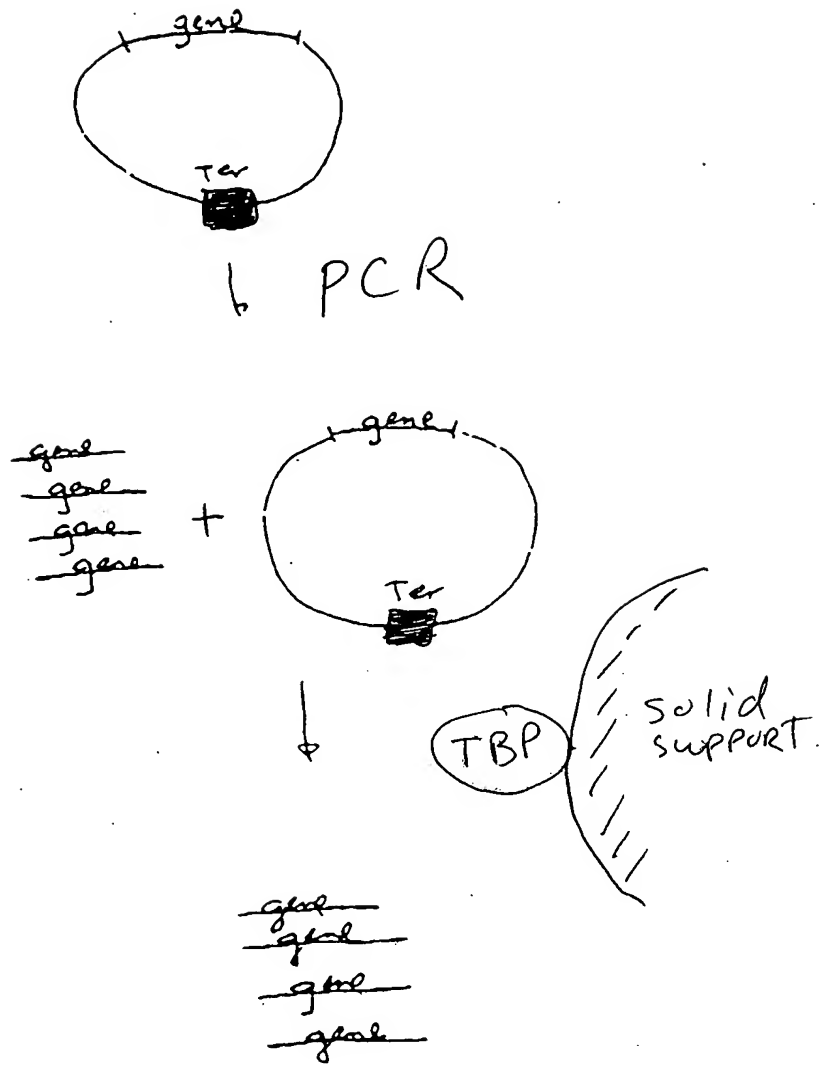
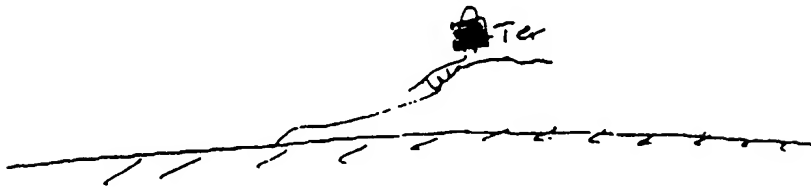


Fig. 7



↓ Probe



↓ Detect

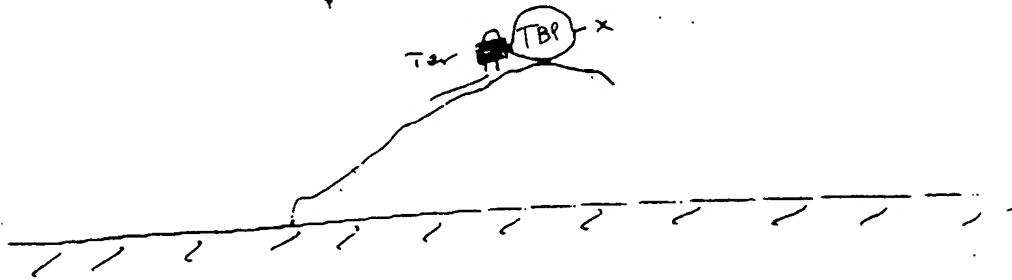
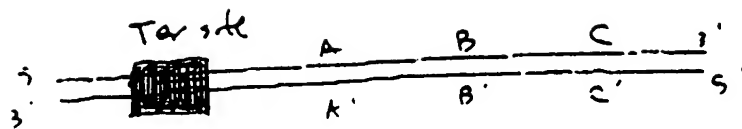
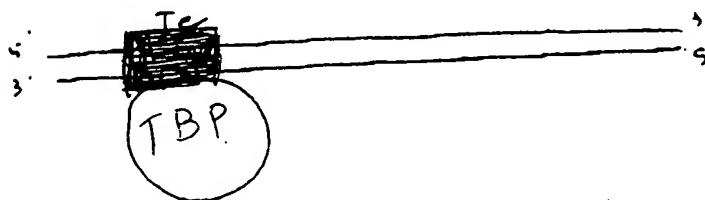


Fig. 8

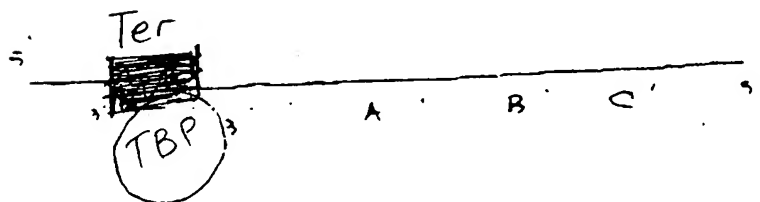
1067516.0000



↓ Add



↓ Add exonuclease, e.g. 3' exo



Purifying

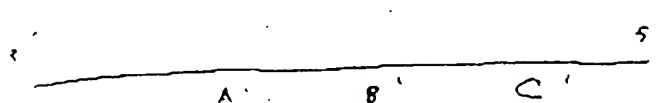


FIG 9

10057513 000700

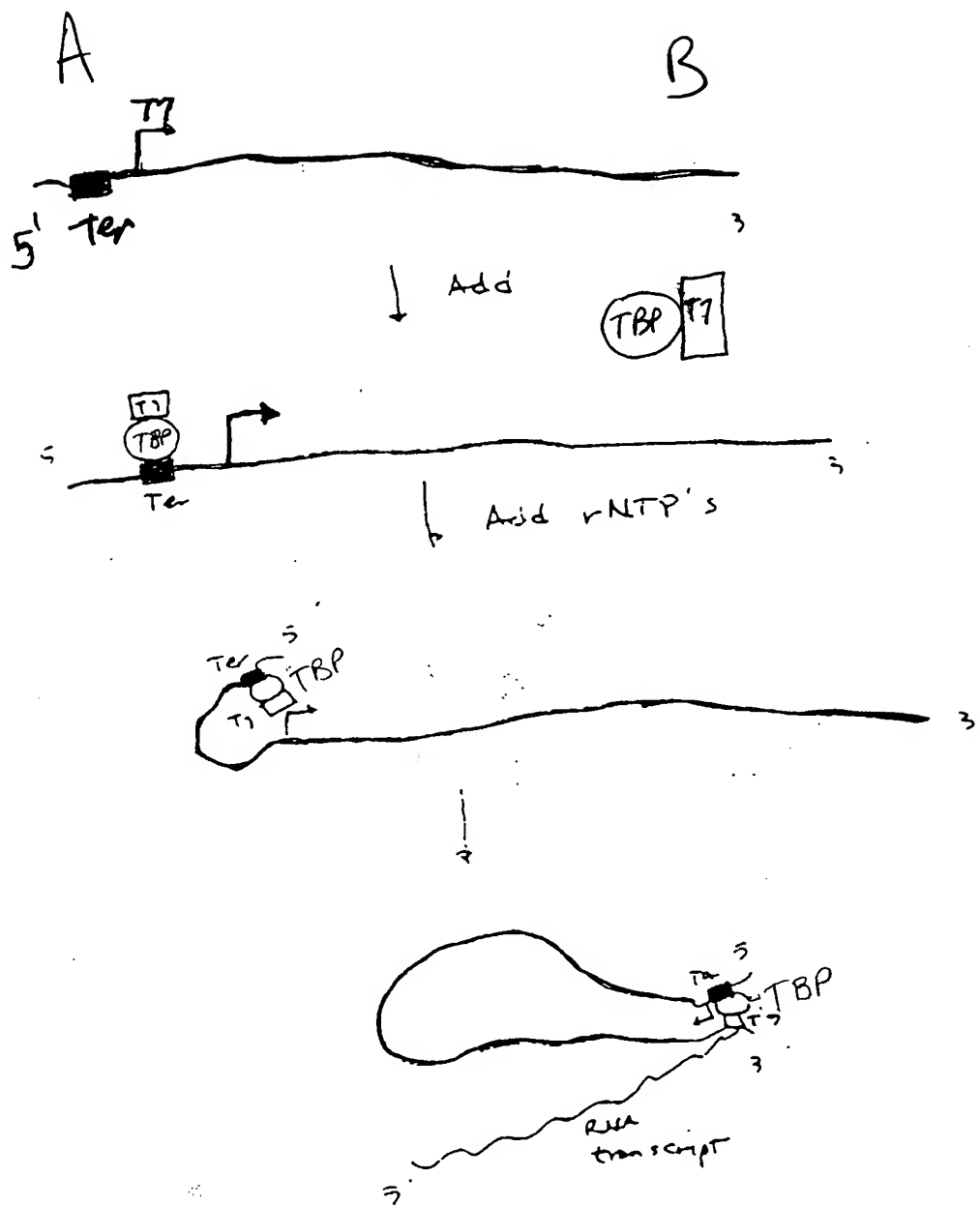


FIG 10

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10057543.020702

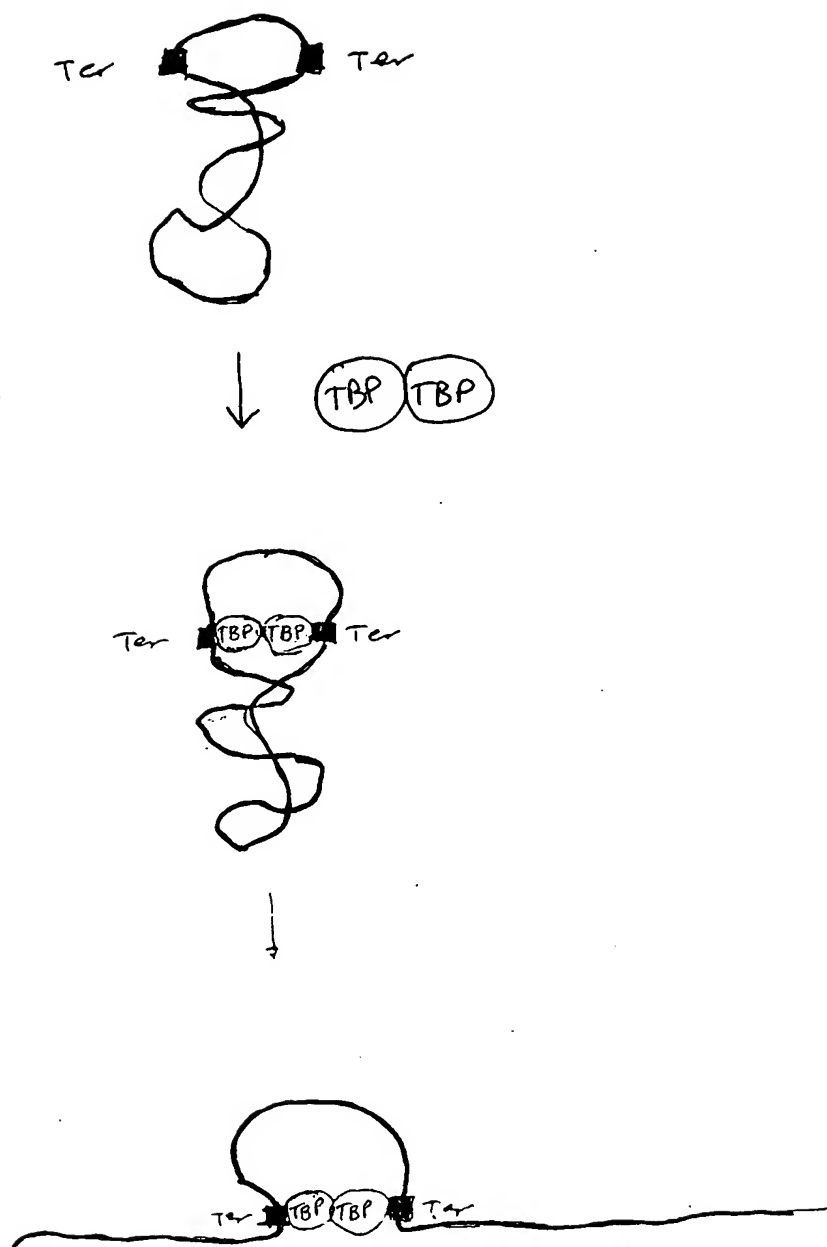


Fig. 11

A | ter' | anneal
oligo #1

ter
oligo #2

↓ anneal

A | ter' | anneal
| ter

↓ add
TBP

A | (ter') | anneal
| ter
TBP

↓ PCR

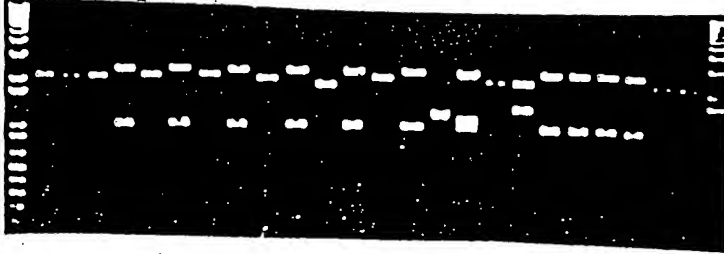
A | () | anneal
| ter
nick

↓ deproteinize
and remove ter

A | | anneal
generate overhang

FIGURE 12

M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

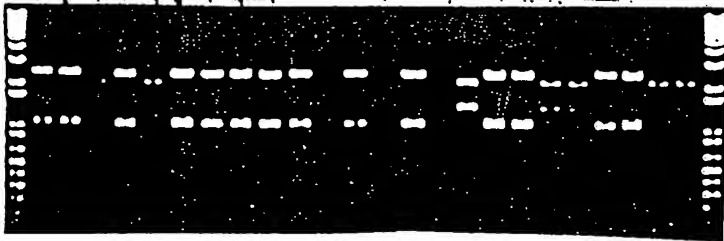


Fig. 13



Fig. 14

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